

REMARKS

Summary

Claims 1, 3-4, and 7-16 were pending. Claims 4 and 14 have been cancelled and Claims 9-12 rewritten. No new matter has been added as a result of this amendment. Claims 1, 3, 9-13 and 15-16 are pending after entry of this amendment.

Objection to Specification

In the Office Action, of September 30, 2003, the Examiner objected to numerous paragraphs for various informalities. Although Applicant does not believe that most of these changes need be made, particularly those which keep directing the reader back and forth between different figures, Applicant has made the changes required by the Examiner and respectfully requests that the Examiner withdraw the objection.

The Examiner also objected to the specification as not containing explicit description of particular reference labels in the specification's descriptions of the drawings. More particularly, even though all of the reference labels are defined at various points in the application, the Examiner is objecting to the specification for particular labels not being included in the description of specific figures. Applicant submits that no regulation exists that requires explicit description of each reference label of each individual figure so long as the description of the label exists somewhere else in the specification. In fact, to do so would result in a needless repetition of recitation of elements (in different views of the same embodiment, for example) and serve to unnecessarily increase the length of the specification and detract from the disclosure as a whole. Thus, Applicant respectfully requests that the Examiner withdraw the objections.

The Examiner also objected to the drawings, requiring the addition of reference label 33a in Fig. 7 and reference label 30a in Fig. 10, as well as changes in Fig. 11 and 12. Once again, Applicant respectfully submits that no regulation exists that requires each element to be shown in similar drawings, especially if the focus of the drawing is on different portions of the embodiment. Specifically, reference label 33a appears in no fewer than three other figures (Figs. 3, 4, and 8) and is referred to explicitly in the paragraph describing Fig. 7 as being shown in Fig. 4 in addition to being described in numerous other paragraphs within the

specification. Thus, Applicant submits that there is no need to insert reference label 33a in Fig. 7. Moreover, Applicant submits that it is impossible to provide reference label 30a in Fig. 10 and maintain any coherency as Fig. 10 illustrates the overall configuration of a satellite communication system including the electronic circuit unit rather than the individual components. This is to say that Applicant is confused as to where in the system-level diagram the Examiner would have Applicant place the label 30a, which refers to a specific opening extending from the sidewall to the bottom of the main casing. For at least this reason, there is no reference to label 30a in the paragraph describing Fig. 10. In addition, in Fig. 11, the label 19 is clearly defined in the specification as the X-TAL signal output terminal, as are the other terminals. However, as none of the other inputs or outputs are labeled with words, nor any of the structures, Applicant submits that it would be incongruous at least (not to mention unwieldy) to label this output with words as well as a number. Applicant has, however, provided a modified Fig. 12 and respectfully requests that the Examiner withdraw the objections in the next Office Action.

Rejection of Claims

In the Office Action, Claims 1, 3, 7-8 and 15-16 were allowed.

Claims 11-13 were rejected under 35 U.S.C. §112, first paragraph as containing subject matter that was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. More specifically, the Examiner states that the original specification does not appear to have disclosed that the sub-casing has a protrusion disposed in the opening such as to not contact the main casing.

The Examiner also required rephrasing of the phrase “whose end” in Claim 11.

Applicant has rewritten Claim 11 to recite that the main casing has an opening with an end that defines the cut-out and the sub-casing is disposed in the opening such that the sub-casing does not contact the main casing within the opening.

Applicant has rewritten Claim 12 to recite that the main casing has an opening with an end that defines the cut-out and that the radiation plate has a protrusion disposed in the opening such that the protrusion does not contact the main casing. Applicant submits that the rewritten Claims 11 and 12 are fully supported by the specification and thus the rejection under 35 U.S.C. §112, first paragraph has been overcome.

Claims 4, 9, 10, and 14 were rejected under 35 U.S.C. §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Applicant has cancelled Claims 4 and 14 and written Claims 9-12 as required by the Examiner.

Specifically, Applicant has rewritten Claim 9 to remove the phrase "the radiation plate sized to fit inside the cut-out," and submits that this broadens Claim 9. Applicant has rewritten Claim 10 to recite that the adhesive radiation sheet smoothes fine irregularities on a contact surface between the sub-casing and the radiation plate rather than merely the radiation sheet smoothes fine irregularities on a contact surface between the sub-casing and the radiation plate, and submits that as the radiation sheet was defined earlier as the adhesive radiation sheet, this amendment does not affect the scope of Claim 10. Applicant also has rewritten Claims 11 and 12 in a manner required by the Examiner, replacing the phrase "the main casing has an opening whose end defines the cut-out," with the phrase, "the main casing has an opening with an end that defines the cut-out." Applicant has further rewritten Claim 11 to recite that the sub-casing is disposed in the opening such that the sub-casing does not contact the main casing within the opening, as shown in Fig. 7 and described in the specification in the paragraph beginning on page 13, line 13 and ending on page 14, line 17, for example, and has further rewritten Claim 12 to recite that the radiation plate has a protrusion disposed in the opening such that the protrusion does not contact the main casing as shown in Figs. 3, 4, and 8 and described in the associated text, for example.

Although the Examiner has stated that the word "formed" in pending Claims 1 and 13 should be replaced by the word "disposed," Applicant respectfully requests that the Examiner withdraw any objection/rejection he might have to this word and its usage in the pending claims (Applicant assumes that Examiner's comment is merely a request as the Examiner stated that Claims 1 and 13 have been allowed). Applicant submits that no revision further revision of the claims should be necessary as the meaning of the word "formed" is clear in the context in which it is provided in the claims. For example, Applicant submits that the phrase, "a cut-out formed in the sidewall" in Claim 1 as required is clear, understandable, and particularly points out and distinctly claims the subject matter which Applicant regards as the invention. If the Examiner continues to object to or reject the usage of the word formed, he is

respectfully requested to contact Applicant's agent to discuss the reason behind his objection to/rejection of this word.

Applicant thus submits that pending Claims 1, 3, 9-13 and 15-16 are in condition for allowance.

Conclusion

In view of the amendments and arguments above, Applicant respectfully submits that all of the pending claims are in condition for allowance and seeks an early allowance thereof. If for any reason the Examiner is unable to allow the application in the next Office Action and believes that a telephone interview would be helpful to resolve any remaining issues, he is respectfully requested to contact the undersigned.

Respectfully submitted,



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